

Product datasheet for **MC226545**

Milr1 (NM_001271373) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Milr1 (NM_001271373) Mouse Untagged Clone
Tag: Tag Free
Symbol: Milr1
Synonyms: Allergin-1; Gm885; Mca32
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226545 representing NM_001271373
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGCGATGGTGACTCGCCAATGTGCCTCTCTGCCGTTTCATTCAAGGGAATAAGATGCTGGCTGGACA
AACTGTTACTTTGGGCTTTACAATTTCTATCACACTTCAGAATGCTGCAGTGGATTGTACGAGGGTGGAA
AAATAACGAATTACCTTCTCAAATCTGAAGTCAAGTATGAACGTGGTCAGGATGGGCCAAAATGTATCT
CTGTCTTGTCCACCAAGAACACATCAGTAGACATCACCTATTCGCTCTTCTGGGTACAAAATATCTAG
AAAGCAAGAGAAGACGAGGGGGAGCTGTGGATTTCCACCTGAGGATCTCCAATGCCAACGAGTCAGGCC
CTACAAATGCAAAGTCAATGTTTCAAAGTGTGAAATACAGTCAGGATTTCAACTTCACAAATGGCCAGG
GGAAGACACAAAACCAAACAAATGGCTCACAAGCTGTGCCAGCTGTTGTAAGGACACAAGCACAGTGT
GGAGAAAGGCAAGGCATGAAGAAGGGACCCTGGGAAAGAAGACTCAGAGAGAGGACCAGTCCAAGGGT
TCTGGAGATGCGCCTGCACAGGACGAGCTGTATGTCAACGCTGCAAGACTCAGACAGAGCAACCCAGG
AGATACACTATGCCACTCCAGTCTTCAAGGAGATGGCACCCATGGAAGAAGAAGTGGTACGGATGGAAA
AGCTGATTACATCTACTCTGAAGTCAACCCACTGAAGT**GTA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001271373
Insert Size: 741 bp



OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001271373.1, NP_001258302.1</u>
RefSeq Size:	1552 bp
RefSeq ORF:	741 bp
Locus ID:	380732
UniProt ID:	<u>Q3TB92</u>
Cytogenetics:	11 E1
Gene Summary:	Immunoglobulin-like receptor which plays an inhibitory role in degranulation of mast cells. Negatively regulates IgE-mediated mast cell activation and suppresses the type I immediate hypersensitivity reaction.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) contains an alternate exon and lacks an exon, compared to variant 1. These changes result in a frameshift. The encoded isoform (c) has a distinct C-terminus, compared to isoform a.